

***Remarks***

Reconsideration of this Application is respectfully requested.

Upon entry of the foregoing amendment, claims 46-70 are pending in the application, with claims 46 and 64 being the independent claims. Claims 46-65 are sought to be amended. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Based on the above amendment and the following remarks, Applicants respectfully request that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

***Rejections under 35 U.S.C. § 102***

In the Office Action, claims 46-70 were rejected under 35 U.S.C. §102(e) as being anticipated by Leung, U.S. Patent No. 6,760,444 (Leung). Applicants respectfully traverse this rejection.

Leung does not teach or suggest every feature of Applicants' amended claims 46 and 64. Leung teaches a system and method for authenticating a roaming mobile node during Mobile IP registration. (Leung, Abstract). In a mobile IP environment, in order for a roaming mobile node (now coupled to a Foreign Agent) to successfully receive messages, the roaming mobile node must register with its Home Agent. (Leung, col. 2, lines 46). In Leung, during the registration process, the mobile node "constructs a registration request message including an authenticator" and sends the request to the Home Agent over a network 504. (Leung, col. 8, lines 26-29). The Home Agent then determines the server handling the security association for the roaming mobile node and sends a packet containing the request to the server over a network. (Leung, col. 8, lines 29-50).

The server in Leung receives the packet identifying the mobile node, obtains the security association information for the mobile node identified in the packet, and sends the security association to the Home Agent over the network for authentication of the mobile node. (Leung, col. 7, lines 33-40). The server in Leung may also perform authentication processing using the security association and send a reply to the home agent indicating the status of the authentication. (Leung, col. 8, lines 51-66). Leung does not describe or suggest that the server includes a plurality of security processing engines for performing the authentication.

Thus, Leung does not teach or suggest a device comprising "a classification module in the device that determines security association information associated with each data packet in a plurality of data packets, wherein the classification module is configured to provide at least a portion of the security information associated with the data packets to a plurality of security processing engines in the device that perform authentication, encryption, and decryption functions; and wherein the plurality of security processing engines are configured to process a plurality of the data packets in parallel;" as recited in amended independent claim 46.

Leung also does not teach or suggest a method "for classifying data packets during security processing in a device" including "determining security association information associated with each data packet in the plurality of data packets; for each data packet in the plurality of data packets, providing at least a portion of the security association information associated with the data packet to a corresponding security processing engine in a plurality of security processing engines in the device that perform authentication, encryption, and decryption functions ; and processing a plurality of data packets in parallel," as recited in amended independent claim 64.

For at least these reasons, amended claims 46 and 64 are patentable over Leung. For at least these reasons, and further in view of their own features, claims 47-63 which depend from claim 46, and claims 65-70 which depend from claim 64, respectively, are patentable over Leung. Reconsideration and withdrawal of the ground of rejection is therefore respectfully requested.

### ***Conclusion***

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

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